

Marcin Tabaka

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,364
citations

430874

18
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

4870
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal-Transport Analysis of Single-Cell Gene Expression Identifies Developmental Trajectories in Reprogramming. <i>Cell</i> , 2019, 176, 928-943.e22.	28.9	411
2	Decoding human fetal liver haematopoiesis. <i>Nature</i> , 2019, 574, 365-371.	27.8	392
3	Cycling cancer persister cells arise from lineages with distinct programs. <i>Nature</i> , 2021, 596, 576-582.	27.8	236
4	TIM-3 restrains anti-tumour immunity by regulating inflammasome activation. <i>Nature</i> , 2021, 595, 101-106.	27.8	169
5	Scaling form of viscosity at all length-scales in poly(ethylene glycol) solutions studied by fluorescence correlation spectroscopy and capillary electrophoresis. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9025.	2.8	160
6	Genetic determinants of co-accessible chromatin regions in activated T cells across humans. <i>Nature Genetics</i> , 2018, 50, 1140-1150.	21.4	139
7	Cumulus provides cloud-based data analysis for large-scale single-cell and single-nucleus RNA-seq. <i>Nature Methods</i> , 2020, 17, 793-798.	19.0	134
8	Inherited myeloproliferative neoplasm risk affects haematopoietic stem cells. <i>Nature</i> , 2020, 586, 769-775.	27.8	101
9	Bimodal gene expression in noncooperative regulatory systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22096-22101.	7.1	87
10	Biologistics—Diffusion coefficients for complete proteome of <i>Escherichia coli</i> . <i>Bioinformatics</i> , 2012, 28, 2971-2978.	4.1	81
11	Blood and immune development in human fetal bone marrow and Down syndrome. <i>Nature</i> , 2021, 598, 327-331.	27.8	73
12	The effect of macromolecular crowding on mobility of biomolecules, association kinetics, and gene expression in living cells. <i>Frontiers in Physics</i> , 2014, 2, .	2.1	66
13	Motion of nanoprobe in complex liquids within the framework of the length-scale dependent viscosity model. <i>Advances in Colloid and Interface Science</i> , 2015, 223, 55-63.	14.7	66
14	Quantitative influence of macromolecular crowding on gene regulation kinetics. <i>Nucleic Acids Research</i> , 2014, 42, 727-738.	14.5	55
15	Small Crowders Slow Down Kinesin-1 Stepping by Hindering Motor Domain Diffusion. <i>Physical Review Letters</i> , 2015, 115, 218102.	7.8	34
16	Transcriptional leakage versus noise: A simple mechanism of conversion between binary and graded response in autoregulated genes. <i>Physical Review E</i> , 2015, 91, 012704.	2.1	31
17	Characterization of <i>Caulobacter crescentus</i> FtsZ Protein Using Dynamic Light Scattering. <i>Journal of Biological Chemistry</i> , 2012, 287, 23878-23886.	3.4	26
18	Tim-3 adapter protein Bat3 acts as an endogenous regulator of tolerogenic dendritic cell function. <i>Science Immunology</i> , 2022, 7, eabm0631.	11.9	22

#	ARTICLE	IF	CITATIONS
19	Implications of macromolecular crowding for protein-protein association kinetics in the cytoplasm of living cells. <i>Soft Matter</i> , 2013, 9, 4386.	2.7	19
20	Hill kinetics as a noise filter: the role of transcription factor autoregulation in gene cascades. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22580-22591.	2.8	12
21	Inhibition of ceramide accumulation in AdipoR1 ^{-/-} mice increases photoreceptor survival and improves vision. <i>JCI Insight</i> , 2022, 7, .	5.0	12
22	The Hinge Region Strengthens the Nonspecific Interaction between Lac-Repressor and DNA: A Computer Simulation Study. <i>PLoS ONE</i> , 2016, 11, e0152002.	2.5	6
23	Method for the analysis of contribution of sliding and hopping to a facilitated diffusion of DNA-binding protein: Application to in vivo data. <i>Physical Review E</i> , 2015, 92, 022721.	2.1	4